

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW081719\
 Data File : VW011971.D
 Acq On : 16 Aug 2019 17:51
 Operator : SY/VA
 Sample : K4366-08
 Misc : 5.72G/5ML/MSVOA_W/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 PX-8

Quant Time: Aug 17 05:01:02 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W072719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 00:23:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	220984	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	372198	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	317270	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	135466	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	140376	55.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.64%	
35) Dibromofluoromethane	7.88	113	111973	53.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.24%	
50) Toluene-d8	10.32	98	457430	53.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.02%	
62) 4-Bromofluorobenzene	12.62	95	152902	50.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.32%	

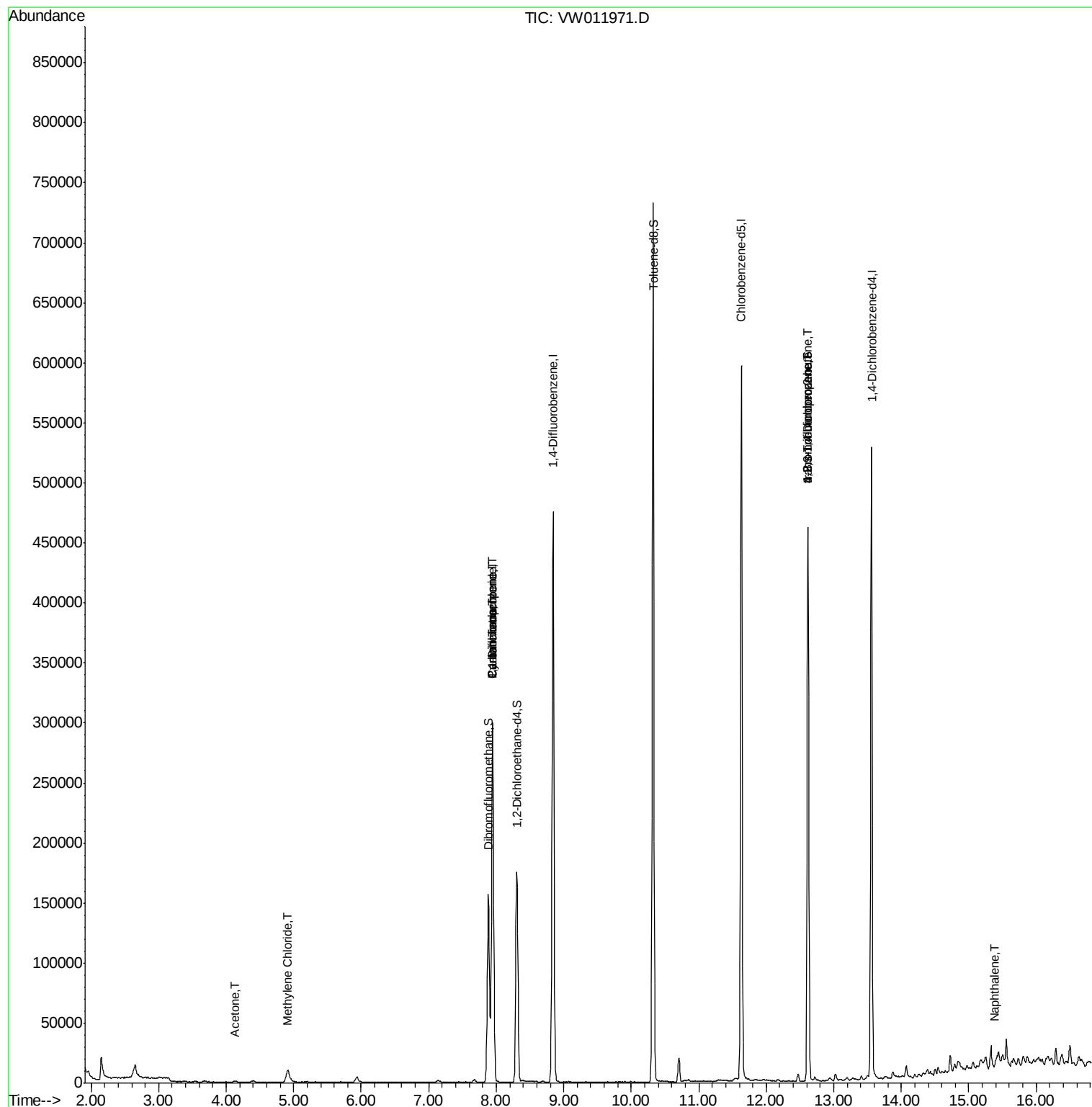
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.15	59	232	Below Cal	#	72
16) Acetone	4.14	43	1869	2.315	ug/l	92
20) Methylene Chloride	4.92	84	7791	2.799	ug/l	94
31) Cyclohexane	7.95	56	5244	1.105	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	18603	4.807	ug/l #	52
38) Carbon Tetrachloride	7.95	117	22150	6.685	ug/l #	18
76) 1,2,3-Trichloropropane	12.62	75	80056	55.851	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	80056	128.717	ug/l #	6
95) Naphthalene	15.38	128	239	2.109	ug/l #	69

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW011971.D

Acq: 16 Aug 2019 17:51

Instrument :

MSVOA_W

ClientSampled :

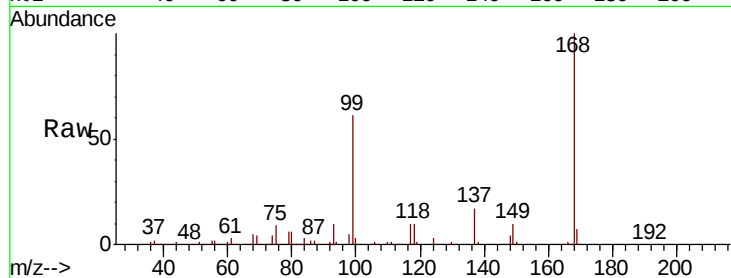
PX-8

Tgt Ion: 168 Resp: 220984

Ion Ratio Lower Upper

168 100

99 61.0 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

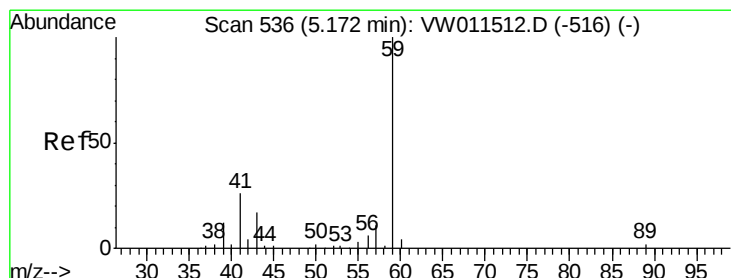
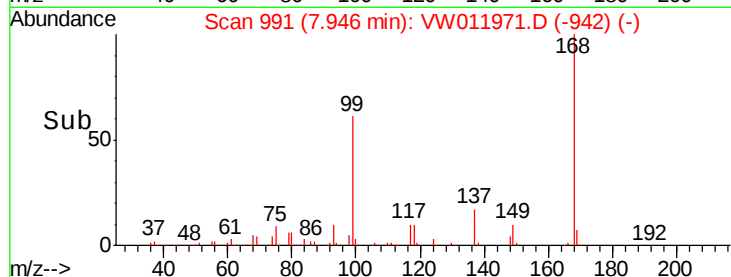
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.15 min Scan# 532

Delta R.T. -0.02 min

Lab File: VW011971.D

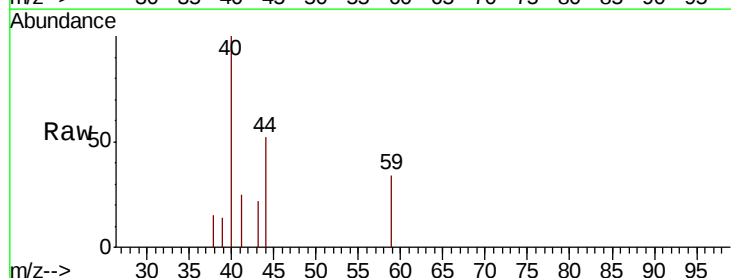
Acq: 16 Aug 2019 17:51

Tgt Ion: 59 Resp: 232

Ion Ratio Lower Upper

59 100

57 0.0 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.15

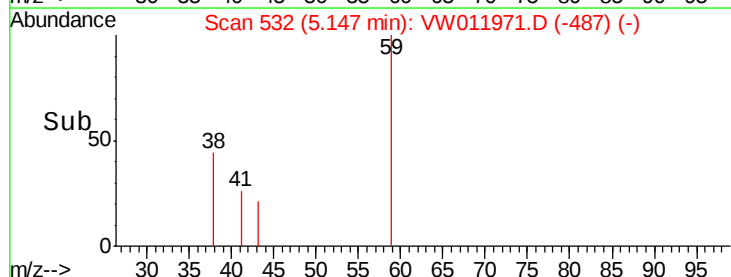
150

100

50

0

Time--> 5.12 5.14 5.16





#16

Acetone

Concen: 2.315 ug/l

RT: 4.14 min Scan# 366

Delta R.T. 0.02 min

Lab File: VW011971.D

Acq: 16 Aug 2019 17:51

Instrument :

MSVOA_W

ClientSampleId :

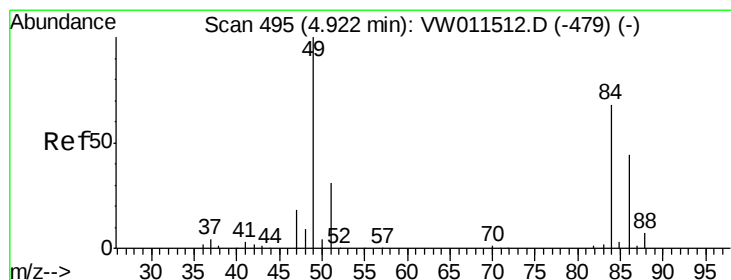
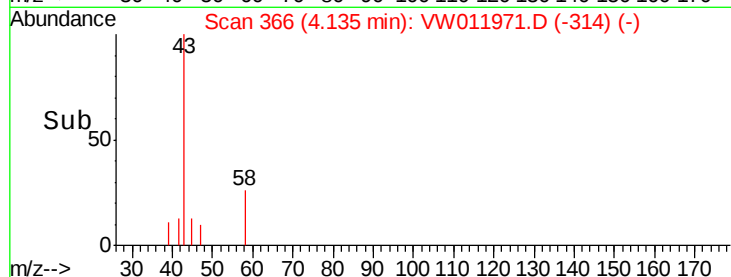
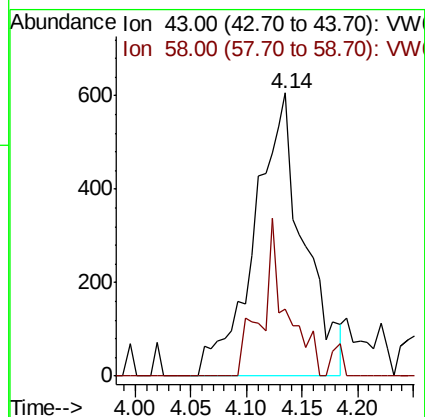
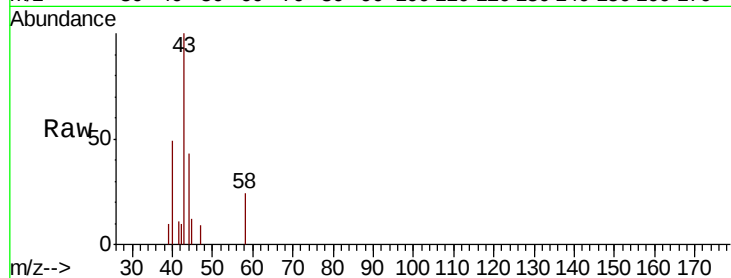
PX-8

Tgt Ion: 43 Resp: 1869

Ion Ratio Lower Upper

43 100

58 23.8 22.3 33.5



#20

Methylene Chloride

Concen: 2.799 ug/l

RT: 4.92 min Scan# 494

Delta R.T. -0.01 min

Lab File: VW011971.D

Acq: 16 Aug 2019 17:51

Tgt Ion: 84 Resp: 7791

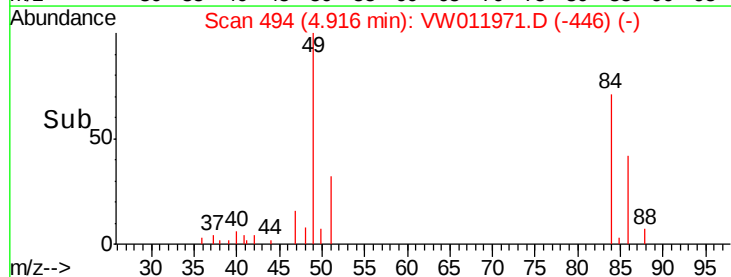
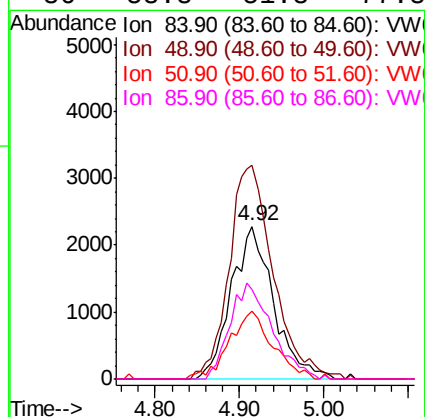
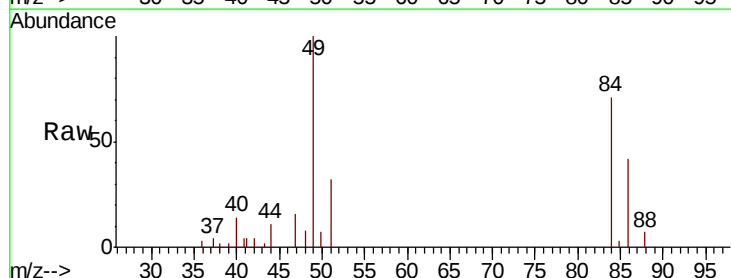
Ion Ratio Lower Upper

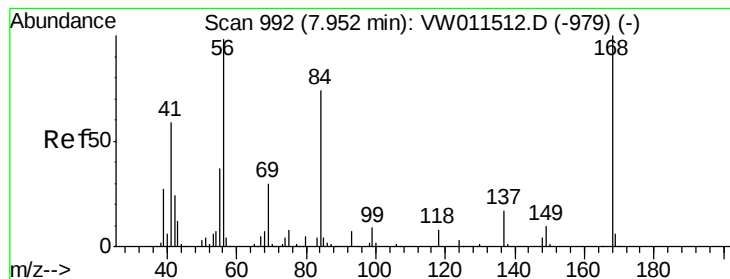
84 100

49 140.0 117.8 176.6

51 44.7 37.0 55.4

86 58.8 51.8 77.8





#31

Cyclohexane

Concen: 1.105 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW011971.D

Acq: 16 Aug 2019 17:51

Instrument :
MSVOA_W
ClientSampled :
PX-8

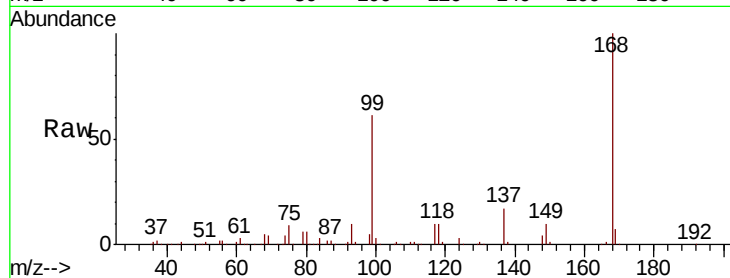
Tgt Ion: 56 Resp: 5244

Ion Ratio Lower Upper

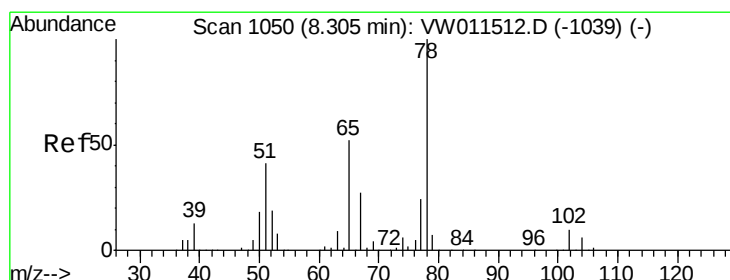
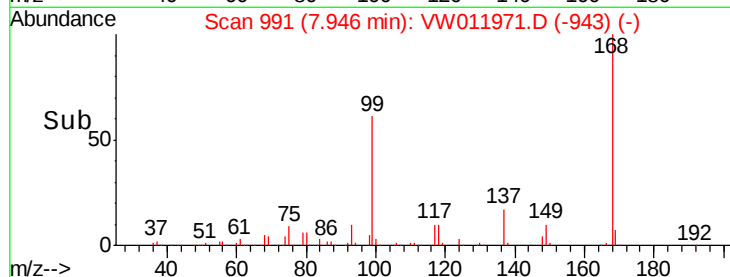
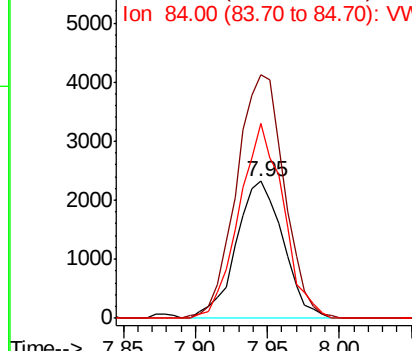
56 100

69 177.9 24.3 36.5#

84 142.8 60.4 90.6#



Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW



#33

1,2-Dichloroethane-d4

Concen: 55.320 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW011971.D

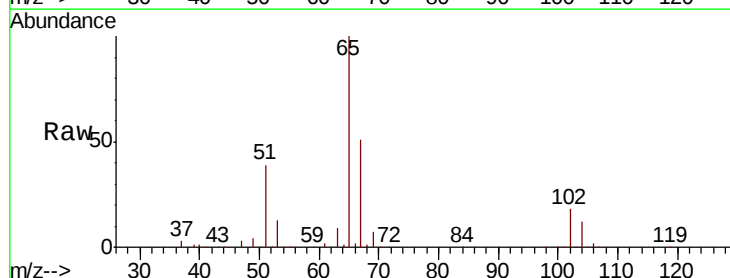
Acq: 16 Aug 2019 17:51

Tgt Ion: 65 Resp: 140376

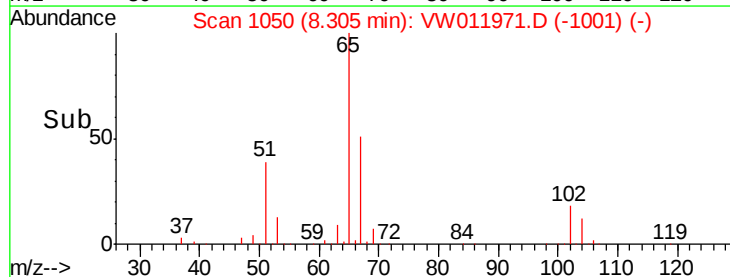
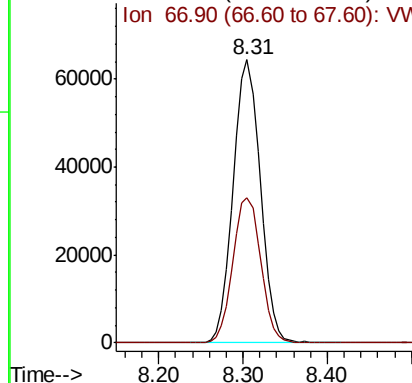
Ion Ratio Lower Upper

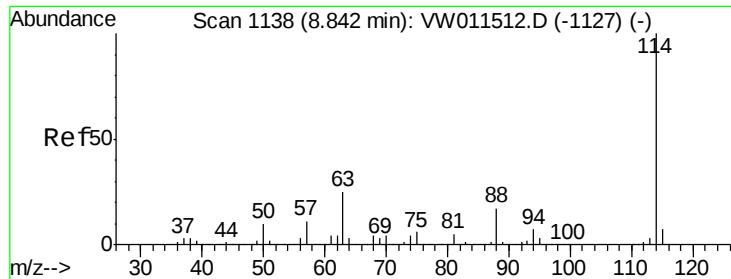
65 100

67 52.6 0.0 105.2



Abundance Ion 64.90 (64.60 to 65.60): VW
Ion 66.90 (66.60 to 67.60): VW

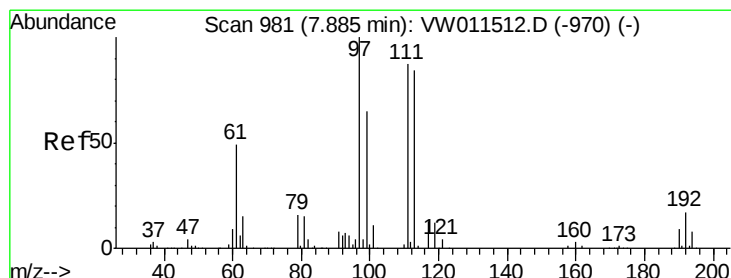
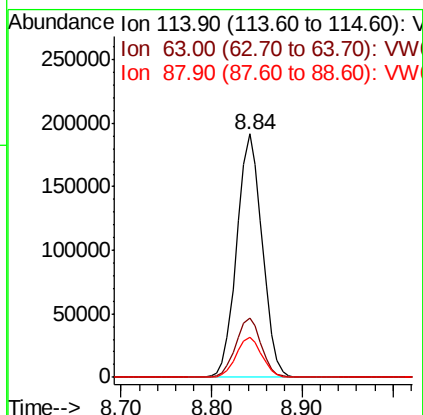
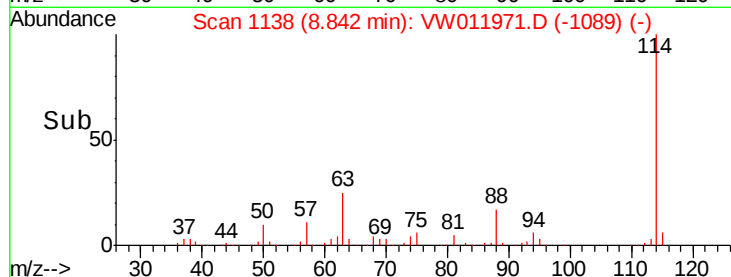
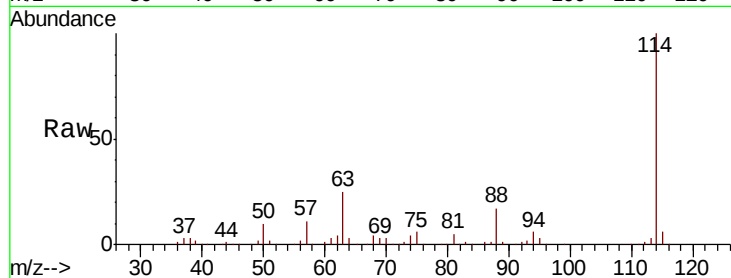




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW011971.D
 Acq: 16 Aug 2019 17:51

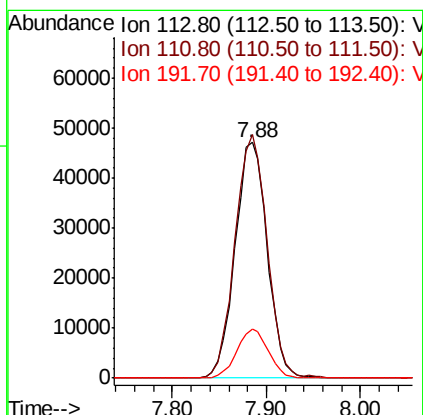
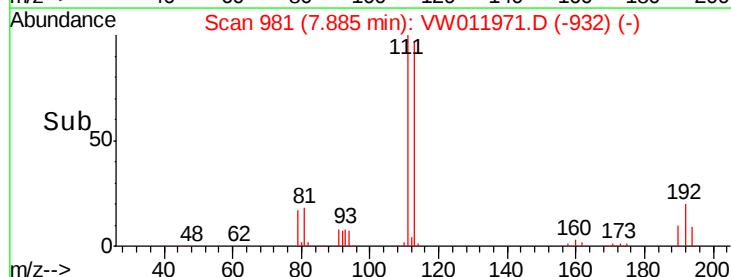
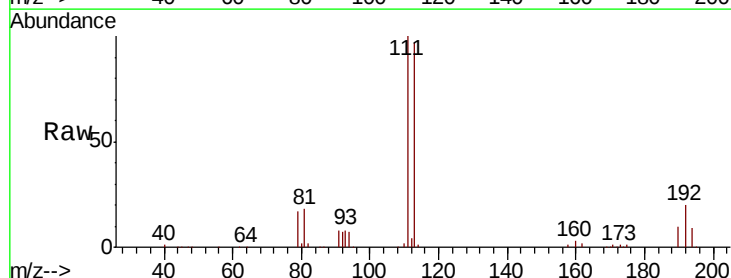
Instrument :
 MSVOA_W
 ClientSampled :
 PX-8

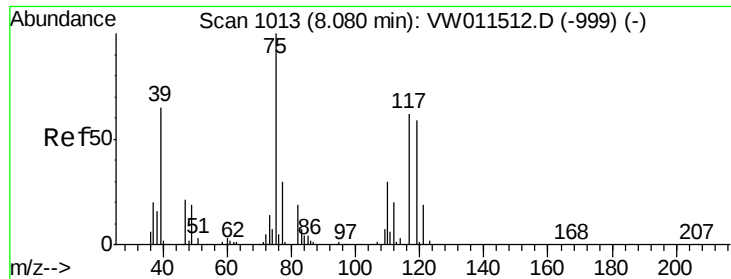
Tgt Ion:114 Resp: 372198
 Ion Ratio Lower Upper
 114 100
 63 24.6 0.0 49.2
 88 16.6 0.0 33.8



#35
 Dibromofluoromethane
 Concen: 53.624 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW011971.D
 Acq: 16 Aug 2019 17:51

Tgt Ion:113 Resp: 111973
 Ion Ratio Lower Upper
 113 100
 111 103.1 82.7 124.1
 192 20.3 16.1 24.1

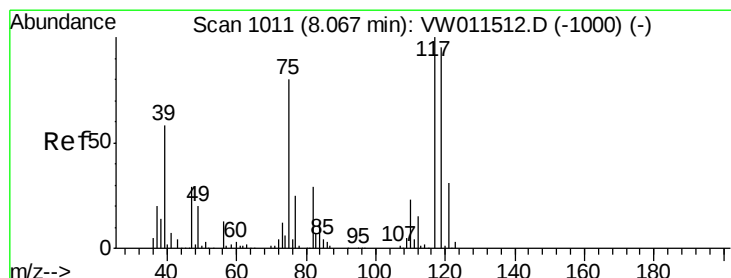
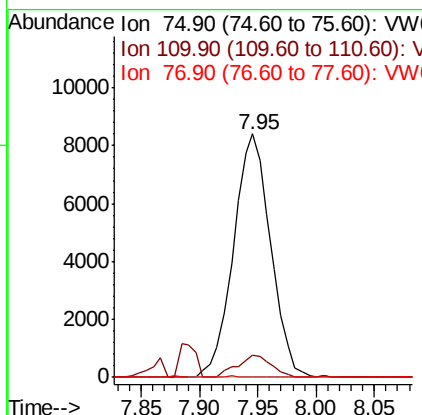
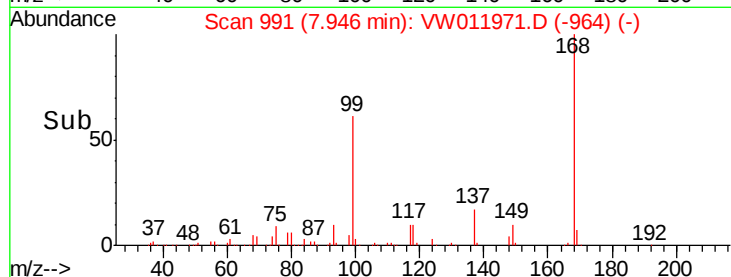
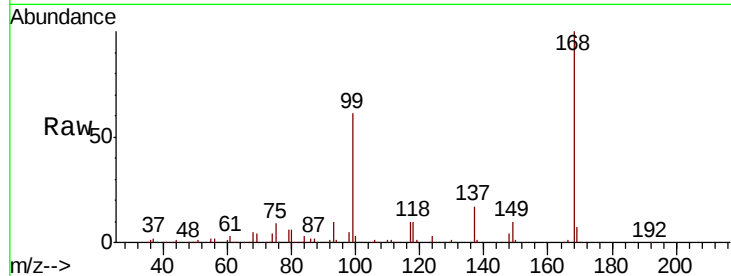




#36
 1,1-Dichloropropene
 Concen: 4.807 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW011971.D
 Acq: 16 Aug 2019 17:51

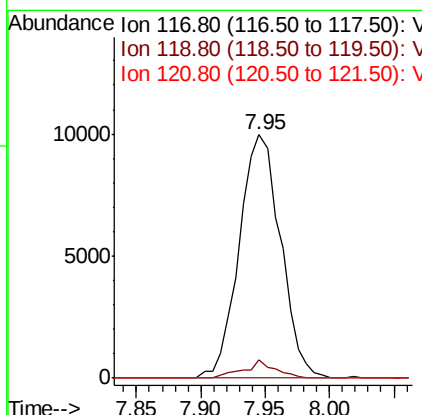
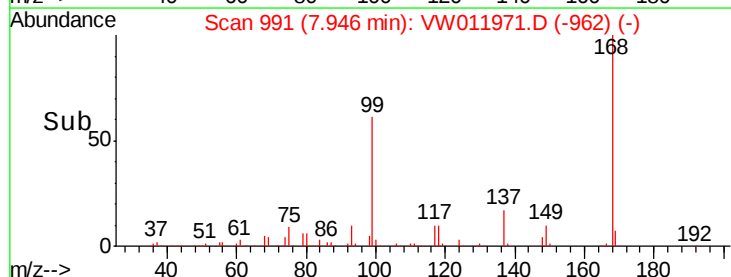
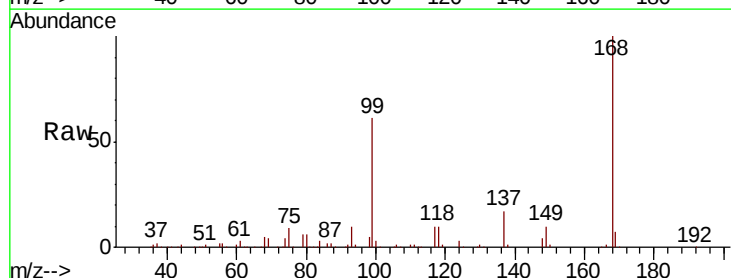
Instrument :
 MSVOA_W
 ClientSampled :
 PX-8

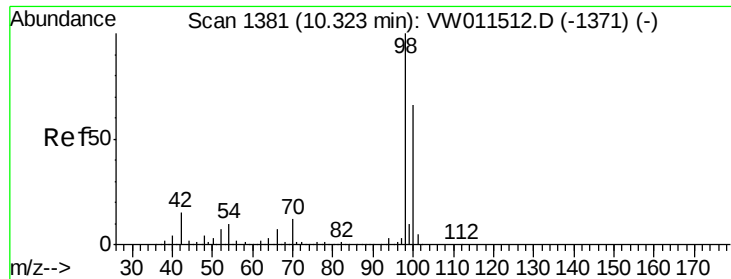
Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.3	15.6	46.8#
77	0.1	24.3	36.5#



#38
 Carbon Tetrachloride
 Concen: 6.685 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW011971.D
 Acq: 16 Aug 2019 17:51

Tgt Ion	Ratio	Lower	Upper
117	100		
119	7.5	75.8	113.6#
121	0.0	24.7	37.1#





#50

Toluene-d8

Concen: 53.505 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW011971.D

Acq: 16 Aug 2019 17:51

Instrument :

MSVOA_W

ClientSampleId :

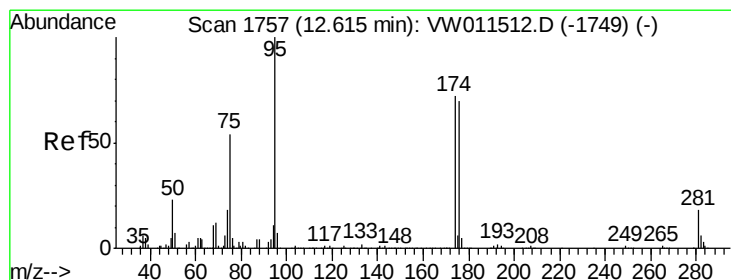
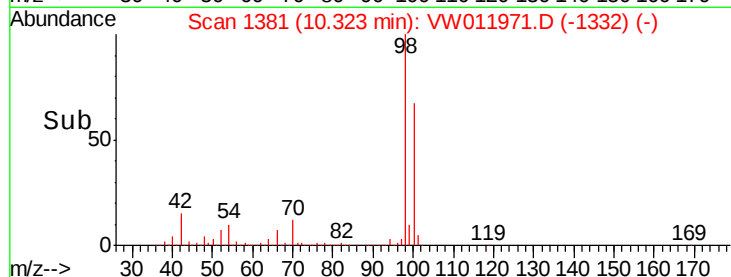
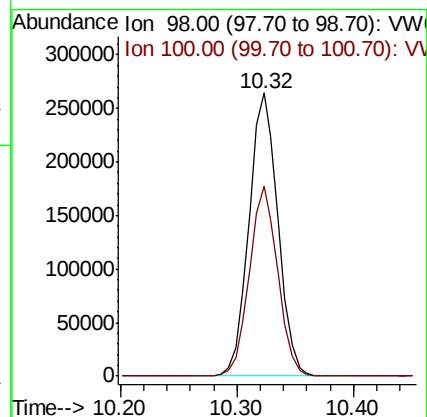
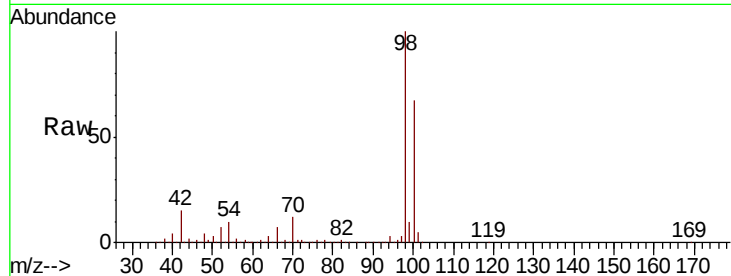
PX-8

Tgt Ion: 98 Resp: 457430

Ion Ratio Lower Upper

98 100

100 65.9 52.7 79.1



#62

4-Bromofluorobenzene

Concen: 50.165 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VW011971.D

Acq: 16 Aug 2019 17:51

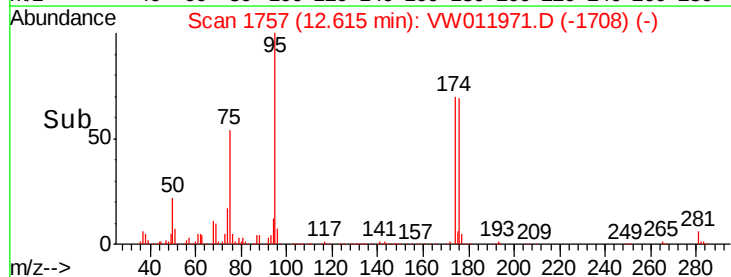
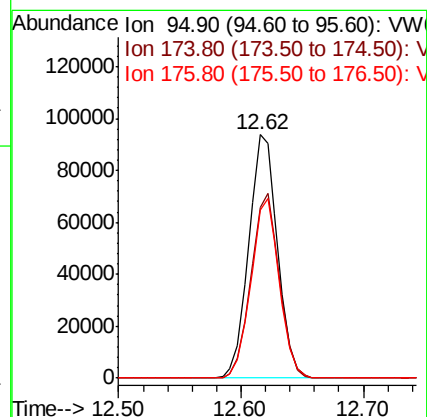
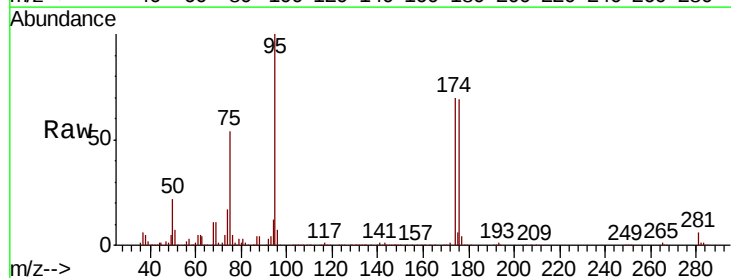
Tgt Ion: 95 Resp: 152902

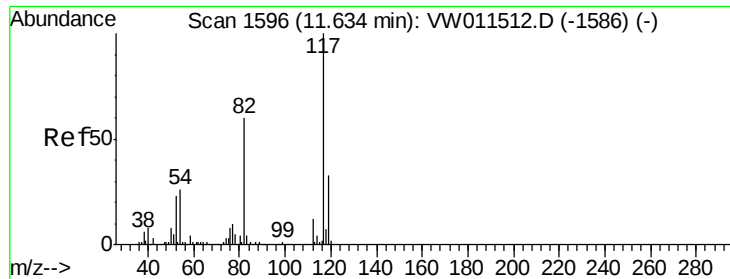
Ion Ratio Lower Upper

95 100

174 75.1 0.0 150.2

176 72.6 0.0 144.4

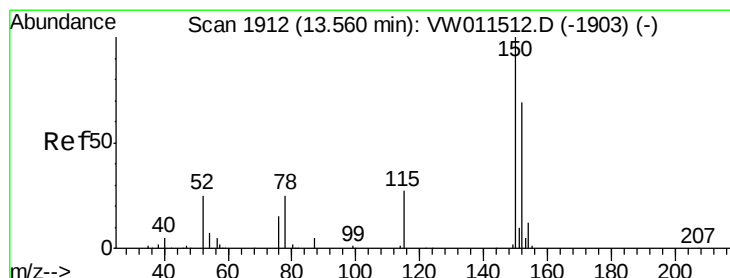
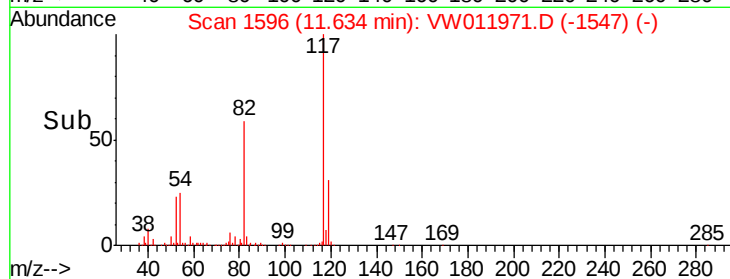
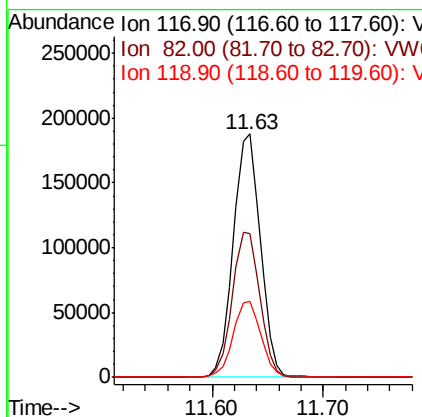
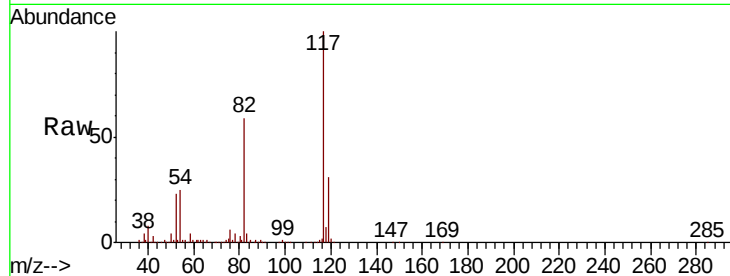




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW011971.D
Acq: 16 Aug 2019 17:51

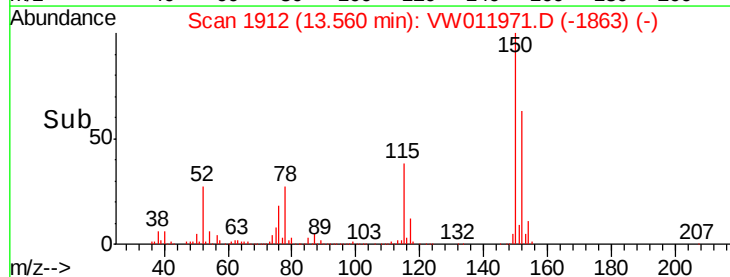
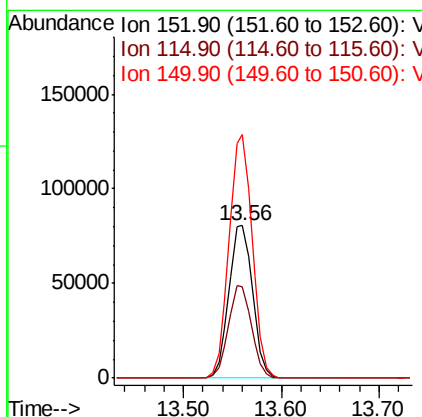
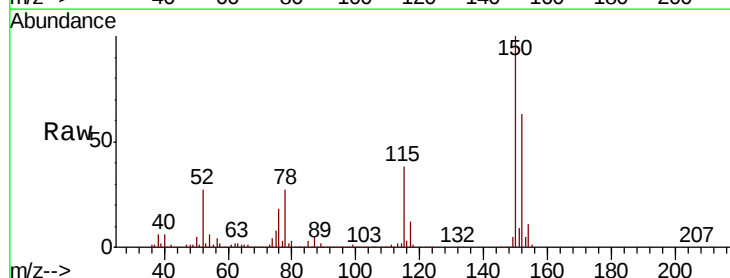
Instrument :
MSVOA_W
ClientSampleId :
PX-8

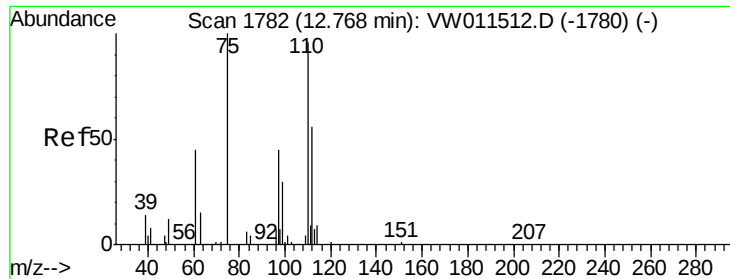
Tgt Ion:117 Resp: 317270
Ion Ratio Lower Upper
117 100
82 58.9 47.9 71.9
119 30.9 26.2 39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW011971.D
Acq: 16 Aug 2019 17:51

Tgt Ion:152 Resp: 135466
Ion Ratio Lower Upper
152 100
115 59.7 30.5 91.5
150 156.1 0.0 352.6





#76

1,2,3-Trichloropropane

Concen: 55.851 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW011971.D

Acq: 16 Aug 2019 17:51

Instrument :

MSVOA_W

ClientSampleId :

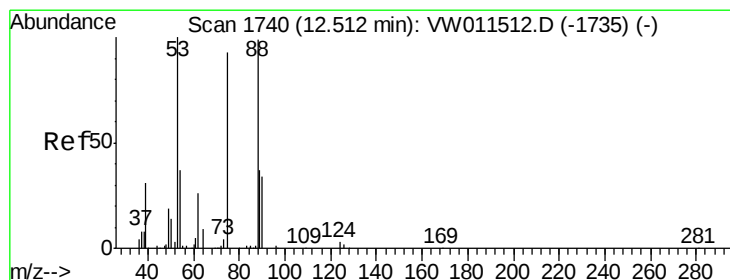
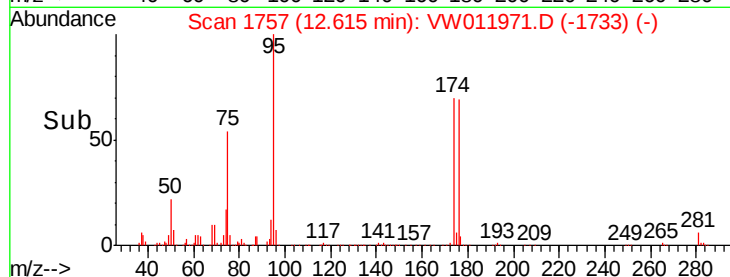
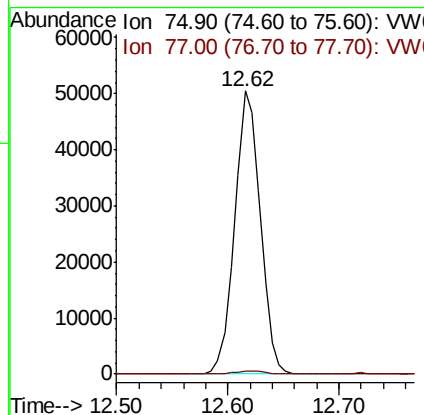
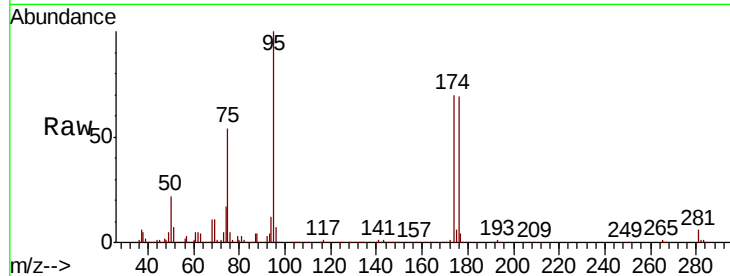
PX-8

Tgt Ion: 75 Resp: 80056

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 128.717 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW011971.D

Acq: 16 Aug 2019 17:51

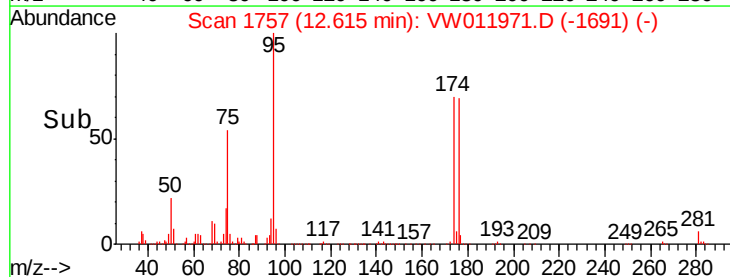
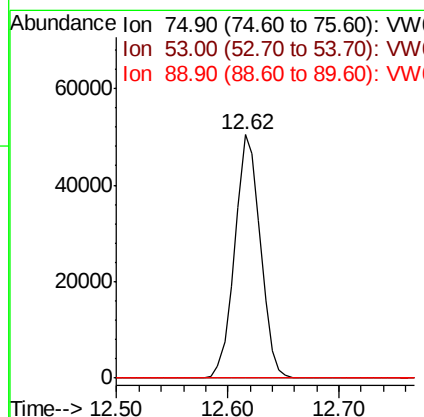
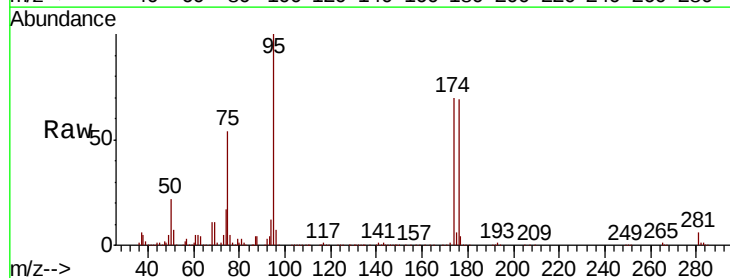
Tgt Ion: 75 Resp: 80056

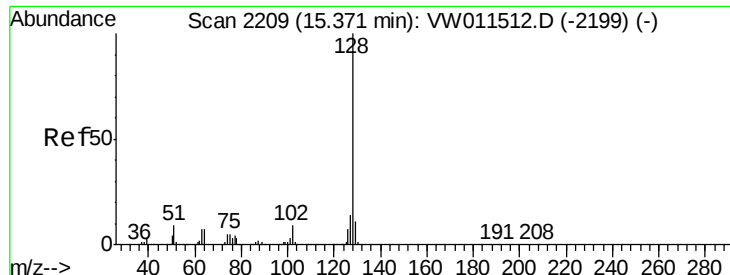
Ion Ratio Lower Upper

75 100

53 0.1 88.0 132.0#

89 0.0 35.3 52.9#

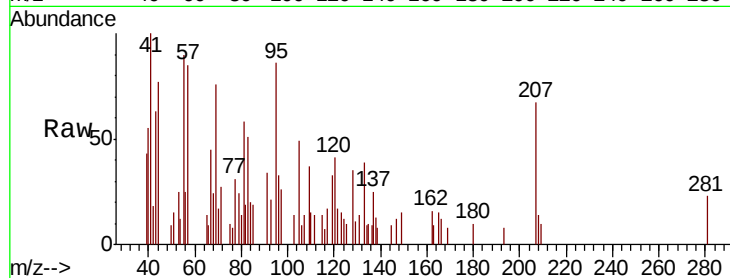




#95
Naphthalene
Concen: 2.109 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. 0.01 min
Lab File: VW011971.D
Acq: 16 Aug 2019 17:51

Instrument :
MSVOA_W
ClientSampleId :
PX-8

Tgt Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.6	16.0#
129	0.0	8.6	13.0#



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

